

## Armenia Growers Coalition: Timeline of Events

1. June 21-22, 2017: EPA inspection of a large Concentrated Animal Feeding Operation in northeast Juneau County, Wisconsin--Central Sands Dairy, LLC. (EPA Sampling Inspection Report, April 30 - May 3, 2018)
2. October 23-25, 2017: EPA sampled 13 private wells in northeast Juneau County. Sampling showed 6 wells had level of nitrates that exceeded the drinking water standard of 10 mg/L for Nitrates.
3. April 30 - May 3, 2018: EPA conducted a groundwater investigation in Armenia Township in northeast Juneau County. The investigation studied pollutants in groundwater, collecting groundwater from 5 private wells. The study also revealed that the region is comprised largely of sandstone aquifers with sandy topsoil, creating significant ground water infiltration. The flow of groundwater within the study area is generally southeasterly in direction, towards Lake Petenwell.
  - a. EPA collected groundwater samples from 41 locations at two different depths (total of 82 samples).
  - b. Samples were analyzed for: nitrate, nutrients, organic carbon, anions, total dissolved solids, and total metals. (E. Coli was not tested.)
  - c. Many of the sites had nitrate levels that exceeded the MCL by 500%.
4. July 11, 2018: Email from Carol King to WED management and staff about call with Region 5, noting that the Region is briefing this issue to their management and contact WED after.
5. July 12, 2018: Region presented issue whether to take 1431 action and whether that action should be pursued judicially or administratively.
  - a. Briefing paper notes county has sampled an additional 104 wells, and over 40 wells with nitrate contamination above MCL.
  - b. Paper also notes that EPA will present EPA sampling results, but will not offer an interpretation of the data, at a July 18, 2018 public informational meeting being sponsored by Juneau County.
6. July 18, 2018: Continued discussion on options under SDWA 1431 in response to Jim Payne's questions.
  - a. Paper notes 44 wells exceed the 10 mg/L MCL, and some wells ranged as high as 55.3 mg/L. (Regional supplemental briefing paper in response to Jim Payne's 6/16/18 questions.)
  - b. Notes that over 100 citizens attended the EPA, WDNR, WDATCP and County meeting. "A majority expressed interest in identifying the source of the contamination and expressed frustration that resources were not being provided for alternative water supplies, including treatment.
7. July 25, 2018: OECA WED requests update on 1431 matter, inquiring whether this matter was briefed to Regional management and offering to assist in getting the issue ordered quickly.
8. July 25, 2018: Email from Rett Nelson to Rosemarie Kelly.
  - a. Concerns of providing an alternate source of water to owners of wells that have been contaminated and identifying other owners of wells that have been contaminated will be addressed through a voluntary agreement between WDNR and the company.

- b. Notes that Region needs more information on the adequacy of the response and is going to meet with WDNR and AGC on July 30, 2018.
- 9. Early August, 2018: In early August, after AGC was made aware of the sample results, AGC sent letters to the 48 homeowners at which EPA and the Counties identified MCL exceedances. AGC offered those homeowners bottled water and offered to add treatment systems to the wells at those homes.
- 10. August 10, 2018: EPA provides first round of comments on MOU. Comments included: need for alternative water for longer than a two-week period, point of use treatment, and increased sampling area.
- 11. August 17, 2018: Joe Theis email to Susan Bodine. States that EPA is providing comments on an MOU between WDNR and AGC. Also notes that if parties are unable to reach a mutually agreeable voluntary solution, SDWA 1431 emergency order remains a viable option.
- 12. September 13, 2018: Regional staff brief Cathy Stepp; OCE briefs Susan Bodine on matter.
- 13. September 26, 2018: Petitioners send letter thanking EPA for the groundwater study and asking the agency to exercise its SDWA 1431 authority.
- 14. November 29, 2018: Region 5 responds to petitioners, informing them that EPA is working collaboratively with WDNR and Juneau and Wood Counties.
- 15. Date: Final signed MOU?